Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-7.   (Cancelled).

8.   (Previously Presented)   A method for recording a sequence of multivalued data on a recording medium, comprising the steps of:

(a)   receiving the sequence of multivalued data for consecutive recording on a single track of the recording medium;

(b)   representing the sequence received in step (a) by a sequence of power levels;

(c)   grouping the sequence of power levels in step (b) into groups, with each group having first, second and third consecutive power levels from the sequence of power levels;

(d)   averaging the first and third power levels to obtain an averaged power level;

(e)   modifying the second power level in each group by a derived value dependent on the averaged power level; and

(f)   recording on the single track the sequence of power levels of step (b) after being modified by step (e).

9.   (Previously Presented) The method of claim 8 wherein step (e) includes the steps of:

differencing the averaged power level and the second power level to obtain a difference; and

multiplying the difference by a predetermined factor to obtain the derived value.

10.   (Currently Amended) A method of reducing inter-symbol interference on multivalued data in a read process by adjusting the power of a write pulse in a multivalue write process, comprising the steps of:

(a)   storing temporarily multivalued data sequentially, wherein the multivalued data is a sequence of data for consecutive recording on a single track of a recording medium;

(b)   assigning a write laser power respectively to each multivalue;

(c)   modifying the write laser powers sequentially using multivalues of a preceding mark value and a following mark value; and

(d)   recording sequentially on athe single track the modified write laser powers.

11.   (Previously Presented) The method of claim 10, wherein step (c) includes determining a modification quantity by an average value of the preceding mark value and the following mark value to be stored.

12.   (Cancelled)